



AMD0859.TXT

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 gggtttcccg ggaacccaa ccctttaagg ggtngggggg aatttcccc caaaaaagg 120
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 <213> Human

<400> 15
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 cccacatttc catttttaaat atatactgtg ctttacaaat attataatat gttttaaaat 180
 atgttcacag aagcacctgg tctgtgaatg gcatgccagc attaaaaaaaa ataagcattc 240
 tttgaatata tatttagttt tttaatgtgg taggaaaatc aaagccagag ggagtagaaa 300
 caaaatttgt gattttctaa atacttcttg gctgcaggga agaaaccacg tcccaggcga 360
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 accaagatgg tcaacaga 438

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 aaagggggaa ggcccccaa accggggggg gggnaaaaag gtgggtttcc ccctttttcc 180
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caaattgggg ggnaaaccaa atttaagggg ggaagggggg gncccccccg ggaaaggccc	180
aaggggggaa aattttttccg ggggtgggtn gggggaacca atttaagggg ggggcccccg	240
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<400> 18

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ctgtacttga actctaaaac tgttggagaa actcagtgct taccccaaca gattcatttc      180
aaatagctgt aaaaggatat tttactccag aagaccagag ttgcttcttt tgaacttctc      240
attccttggg cctaggaacc ctcatcacc tcatccaac gtcaaccag atcttctctt      300
ccataaacag cactccctca ggcccctgcc tgacacaggc atagactgtc atgttggatt      360
cacagacagg ctgtgctaga ggaaacctct ggggctcacc aggggccgtg ggatgggctt      420
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 cggcccgggc ccgggnagcc cttcccgggc ttttcccccg ggggggnccc gggggggacc 120
 tttaggcggc accccaacaa caccaggccc tactttttcc aaggncgggg aagcccatgg 180
 gttctgggna acgggcaatg cgggcttgca acgggnggaa naaaacagn cccaaaagaa 240
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<210> 20
 <211> 181
 <212> DNA
 <213> Human

<400> 20
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 tctcagctca ctgcaacctc cacctctcag gagaattgct gaacctggga ggcggaggtt 120
 gcagggagct gagattgcgc cactgccctc catcctgggc gacagagcaa gaacctgtct 180
 c 181

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 cgggaaggcc nttggggaaa aaaccaangg ncaaaccccc ccaaccacnc ggcccccccc 120
 aaggggggtg gggaagagcc aaatttcttt gggaaanaac gcccccttgg ggaaaaanaag 180
 gcccaaccacc tttcaacanc cccaangcg nggaagccat ttcttgg 227

AMD0859.TXT

<210> 25
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 ggaagaattg tatgtgggag tttttaatgg tctcatttca ttggctataa ctcagttaca 180
 aggagaaata taactgcaga ggagctttga aaatttagtt cagctgaggg taaaggaaga 240
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ttgccgggga gtcagcagtc gctttttccc ggncgaagcc tcgaactcac cancctgtct    360
ggattaatta gacagcaaga cgcttgcggc ccctttggcg cgaacgaacn ncgaaaagga    420
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gagaaccccg cacaccgaaa ggctaaggat tcctccgcta tgtcaatcaa cggaggggta    180
gtcgggtact aaggcgttag cgaaggcgaa gcgccgatgt gaaggggggtt aatattcctc    240
cacttgccat gcgtgtgaat ccatgacgga gacgaagccg ggggtgcgtc ctgacggaag    300
tgggcgccag caggggcggc cttcgggcca aaccgaacct cagggtcanac ttccaagaaa    360

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agtgggtgaa acgccagcgc atggcaaccc gtaccgcaaa ccgacacagg tagccggggg 420
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 ccgccaantt ttttcaacc cnacttggtt tnggttttag tt 102

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 naaattaggg ttncagcntg tgnantgccca ttttcgntaa 100

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tttcncnntn tggtgtncgg ctntcacgca tnggcgcgag 100

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cacgcacggc agcgagtgc atgnccgatt cattcttnaa cgacgcacac acccngnngc	120
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ngatnnagac cncnnatcac ctaatacanc catnactcan atgactnttt gtgcgccttt 120

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 ngncacgagt tnggctgcnt ctttatacaa cttttcttca 100

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ctgcttaagt ngccccactg gtccagacca gcgacccagc 100

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tgtcctgaag gacaagccgn ttcgtttgaa nctgtgaaat ac 102

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<212> DNA

<213> Human

<400> 41

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atttgtggtc ggaagctttg caaagagggg acctgggtct gagtgacatg cgtggccact 120

ggtgctcctg cgtttgact gtgcaggcct ctctatgct gatgcgtctc cccactcctg 180

agctaatttc tgctctgctc cttctgtgac atgtggcagc gtgggaaata gccactgtcc 240

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 ggnaggaccc tgntgactcg gggggcggga gcngggancc agg 103

<210> 43
 <211> 221
 <212> DNA
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<400> 43
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 tttaaaaatt tatgccatat gtccagcttc cagtcagtgc ttctgggttag catgaggata 120
 actagatttt actgtagatg gtagataaaa gtccagtga aagcaaagat gtgtaatgtt 180
 ttggtagcct cagtgtcttt atcccaagta aaagcaaagt t 221

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 nncattnngc aagcgnacnn gcgcngccna gcngaccagg 100

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atnggacnag nanacangaa acctgcanac ttggngcctt ggaagt 106

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cgaacatttc acngngcatat tgcggtgcaa gggcttactg 100

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 ggggacccna aaaaccggaa naaacnccc nagnaanca 100

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gntntnnagn agggcgctca ctctgattgg tgcaccatgg ttacacagtg tgtgcaaaga	300
ccngnctatc tcaactganga tgattgncag ngccnntggg tggcacnang ggnactgatg	360
ancancactg accctgccga cgccagangc cgcanatccg gagantncat gngacnatat	420
aggttaccnc cttcnaccgg gcancaatct gcttctatgg tgaatgcaga ccatntagaa	480
ntctntcnct ataggcatga ttttnnncag tgcgtcagcc ttganaanga ancnnacttt	540
tgntagatga nnnngtgctc ncccttgngg ctnacaaatt ccancaccnt tgggtggcngc	600
agccnttaag ancacttntt ttgggttgcg ctnttgatg aattacnaat agnntgtttt	660
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actggaaatt ttg	733

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<223> n is a, c, g, or t

<400> 53

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caagtacgcn agcncctgaan ctaaagcaag caagaaaaag 100

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<211> 515

<212> DNA

<213> Human

<400> 54

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tagatatggg aagattatag gaggcgacaa ctaccgagcc tggatgtagc tgggtgtccaa 180

gaagagtctt agttcattta tttggcccag aaccctctaa tccccttgta atttatgtca 240

agaggaacag ctctttggac actggaaaac cgtgagagag taagatttac acccttaggg 300

gcctaatagc agccaccatt aagaaagcgt tcgctccaca cccactacct aaaaatcgaa 360

tataactgac tcctcacacc caattggcca atcattcccc tataaaaagaa ctatgttagt 420

ataagtaacc tgaaaacatt ctctctgca taagccctgc gttggattat atcctgcact 480

gacaattaac tgccccaata tctacaatcc aaccc 515

<210> 55

<211> 176

<212> DNA

<213> Human

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<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <222> (155)..(155)
 <223> n is a, c, g, or t

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 cntatctcaa ctaatnataa atgggaaaat gggcaactgg gcaggcngaa cccagaggga 120
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<210> 56
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 <212> DNA
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 <223> n is a, c, g, or t

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 atgtgggatg tgacctccta ggactcacct tgcacagctg ggtgcagcag ggataggtaa 120
 ggatttgggg tttagaggta caattgcctt tttatggta gagaaaggta ctggggctgg 180
 agggagcctg acgatctgct ctgtgtgcaa ggggagagtt aactctgcac gcaagagcct 240
 gcttaaaggg ctgtgtcagt tctattgtaa acaccaactt aaagtgggtg atgctggcag 300
 acattgttat tgccatt 317

<210> 57
 <211> 209
 <212> DNA
 <213> Human

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<400> 57
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aggagaattg cgtcatttaa agcctgttga cgcttttctc ccgcagacga atggaaagat 180
taattgggag tgggggctga aacaattcg 209

<210> 58
<211> 262
<212> DNA
<213> Human

<400> 58
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acctgggtcac cgagttgcga accagcctcc aatatgtgga accctgtact ctctaaaaat 120
caaatcaccg gcatggagat tgcgcctgtg gtcccaaaat actcgggctg ggacacgatg 180
agttgcttgg cccaaggaag gaggggttga tggctgatca cactgggtccg cctgggtgac 240
agagcgagac tccatctcta at 262

<210> 59
<211> 430
<212> DNA
<213> Human

<400> 59
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aaacctttat tgtcttacag gggggaacta gcgcggggct gaataaaacc tttggccctt 120
cccgggggag gggatatccg tttataaacc ccaagggat tttcttagca aaataacttaa 180
aaccggcccg ggtttttata caaactggga acccactttt gaaaaatttt ggccttttga 240
tctgggatgg gaatatgagt ttttatacat ttcatTTTTt ttttgggcaa aggcccgggt 300
aagtattccc ccccgggggg cctttacaaa aagggcggtt ttaaaagctt ttgggcccc 360
ctaggggaatt gttttaacac ctaaaaaccc ctgcttcct taaaggggcg ttctttaatt 420
tgggggcggc 430

<210> 60
<211> 350
<212> DNA
<213> Human

<400> 60
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atcctactag cttggaggat ttgaaccgat tatgaatacg caatactccc ggtcctcatg 120
tatcatgtgt aagcccatct cctgggaggg ctaacatact accatctcca aggagaggca 180

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tgattccgaa	tcacccacag	acagctcgat	caccatacgt	atcacccaac	atatatacct	240
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taaagtgagg	ggactctcct	aatttctgta	agttgatttt	tgcatcttga		350

<210> 61
 <211> 515
 <212> DNA
 <213> Human

<400> 61	
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cactttcttt	gagaattcaa catattgcaa gttaaaattt tcatagacta cacaagaaaag 120
aataatcagg	caaatcctta agaataaggg caattaagga tgactagccc tacaagattt 180
taaaaaggat	tcattagtgt aaaaaatgtg atgtagatac atgaataaaa taaaatcttg 240
aagtagatcc	aaatatacat ggtcagattg aatacaataa agatggcatc gtagcagtgg 300
agaaaagaag	aattatttca taaaccttgt tggaatggct aggcaatcat ctggaaaaaa 360
atgaagtgtg	ataataaaaa tatattctac actagcacia attataaata aagcagtgat 420
ttaaattgaga	aaaattaaat cataatgatt tcaaagataa cataggataa tttctttata 480
gtcttctaaa	atatatgact ttatgaattc tgact 515

<210> 62
 <211> 611
 <212> DNA
 <213> Human

<400> 62	
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aagacttttg	ttttataaat aaggaggtat atataaatta tatatatttc tgagctgagt 120
aataatccac	cagatacaag tttgcatcaa cttctgtgaa atattttttt tcctttttgt 180
tgggcatttt	tatgggtctaa atatagaatg accaatgcct ctagaacaaa cttgacctgg 240
tcagtgttat	caagaagcag actgtttctt actttctttg tatttcctta cttattttaa 300
tttggttaaaa	ttgatataatt gatataataa acttcttttg ccagtgttgg tggcacacgc 360
ctttaatccc	agcacttagg aggcagaggc aggggtggatt tctgaatttg agggcaggct 420
agtctacaga	gcaagttcca ggtcagccaa ggctatatat agaaactctg gcatgaaaaa 480
ccaaccaaac	caaaccaaac caaaccagac cagaccagac cagaccagac caaaccaaac 540
caaaccagac	taaaccaaac caaaccagac cagaccagac cagaccagac cagaccagac 600
cagaccaaac	t 611

<210> 63
 <211> 291

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<212> DNA

<213> Human

<400> 63

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ccgagagatt ggccactgct taaactcatg cagctcctac tgttcttcaa ttaatgcctt    60
taatgcgaat atacttcctc ttctttttgc atggctcttg ccagcctctg caatactgat    120
gaacacatgc tgaagatcat ctaactcaat atggcgcata tttctatgtc ttgctgcca    180
ggacatagga caacttcgtc gctcactagt tctaacatat taatgctggc gtaggtggag    240
aactactgca catatactct tactcggagg ctgaggcacg aggatcactt g            291

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<210> 64

<211> 309

<212> DNA

<213> Human

<400> 64

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gccagatgcc gtgtttcctc gatgaactct ttacatcatt ggctattcag tggagtgttt    60
cattatcacc tctcactctc gcgtgttacc taactctccc tcgcagggga aatcactcca    120
tatatttcaa atgtcttgct aacagtgggt actttgctct atccttagct atacgtctcg    180
aggcacattg ttcctctatg ccccgctacg ctttgcccta gagctcggcg gtatctatat    240
cttaactgcc ctcttgatcc ttacgtgccg gagaaggagg aggcagaaat tttgtcaaat    300
ctgattaga                                     309

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<210> 65

<211> 278

<212> DNA

<213> Human

<400> 65

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tagaatggaa tggagtcgaa tgtgatggaa tggacgcgaa tggaatggaa tggactcgaa    60
tggaataaag tggaatagac tcgaatggaa tggaatgcaa tggaatggac tcgaatggaa    120
agggatggaa tggactcgaa gggaatggaa tggaatggat tcgaatggaa aggaatggaa    180
tggactcaaa aggaatggaa tggaatggac tcaaatggaa tggactcgaa ttgaatgaaa    240
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<210> 66

<211> 142

<212> DNA

<213> Human

<400> 66

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agttctcctt aggttaatta atggaatgca atcccaatga aaatgtcacc aaagttgttt    60
tttttttaac tgtaggaggt ttataataat gctcatatgg aaaaataaaa catgtaaaaa    120
atagctagta aactccccct gt                                142

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<210> 67
<211> 286
<212> DNA
<213> Human

<400> 67
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aaagatgatc tcctcatgct tccatgcact gcgagtagaa gacatactga gcatagtgtg 120
attat ttttcc caacaaattg gcattcatag atagaataag ctgactaaga ctacttagcc 180
ccacattttt ttctacttgc tccaatagca ctaacaaata ggaagctctt gcttgctccc 240
caaagctcca tttccttgaa agcagaagtg taatattact tcttag 286

<210> 68
<211> 179
<212> DNA
<213> Human

<400> 68
atctactttt tattcttttg ataaatgttt atgaaatata aaatactgaa aattagaaaag 60
tagaagtc at tattttatta taaaacatgt ggattagata ttttcattta tgtgattaaa 120
ctttctaaac aaagattata tgaattatct taaagattta aaaagtaatt aagttaa at 179

<210> 69
<211> 390
<212> DNA
<213> Human

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<223> n is a, c, g, or t

<400> 69
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cttcagtcta agaacgtaaa tccatggaag aatttttaagc aggggtgtgc cttgaccaca 120
ttttgaattc taaactgtct ctgggtgggt gtgggtgcc ccaagagcat gtgttcatgt 180
agggagactg gttttttaca gttgtctatg agagagatga cagttgcctg gattatgggtg 240
gtgacattgg agataagcag gtagacagat tctcagtgt ttaggagaga aaaatcaata 300
ggaaatttaa aataaataat taactgtggc cataggagga aggagtcttt gggttnggtt 360
ctcaatttct gcatgagaaa aaaggtggac 390

<210> 70
<211> 481
<212> DNA
<213> Human

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 <222> (26)..(26)
 <223> n is a, c, g, or t

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 gatgacataa aatgagatga aatgagatgt aatgatggaa tgagatgaga tgaaatgaga 120
 tgaaatgata gatgagataa aatgatgata tgaaatgatg agatgaatga tgagatgatg 180
 agatgaatga tgaaatgaaa tgatgagatg agatgatgaa atgaaatggt gagatgaaat 240
 gatgagatga aatgaaatag tgaaatgaaa ttgaaataaa atcgaaatga gagatgaaat 300
 gatgagatga tgaaattgat gaaatgatga gatgtgatga gatgaaatga tgagatgaga 360
 tgagatgaca tgaaataatg aaatgaaatt gaaatgagat aagatacgag ctgagatgca 420
 atgagatgaa atgatgagat gaaatgaaat agtgaaatga aattgaaata aaatcgaaat 480
 g 481

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 <211> 125
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <222> (100)..(100)
 <223> n is a, c, g, or t

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 <222> (110)..(110)
 <223> n is a, c, g, or t

<400> 71
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 ngacgcgccg tacaggntna attatgggna cttacatggg aaaggggcan ctcaatgtcc 120
 cacag 125

<210> 72
 <211> 473
 <212> DNA
 <213> Human

<220>
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 <222> (151)..(151)
 <223> n is a, c, g, or t

<400> 72
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 atgagatgaa atgttgaaaa gaaaggagga aatgatgagg tgagatgaaa tgatgagatg 120

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aaatgaatct gagatgaaat gagatgaaaa ntgatacgaa aaatgatata aaaaatatga	180
cctgagatga aatgagatga aaaaatgatac gaaaaatgat ataaaaaata tgacatgaaa	240
tgaaatgaga tgatatgaaa tgacataatg aaatgatgaa ttgatgatata tgaaatgaaa	300
ttgaaagatg agatgaaatg atgagatgaa atgaaatgtt gaaatgatga agagatgtga	360
catgaaatga gctgaaatga gatgaaatga aatgagatta aatgatgaga tgaaaaatga	420
tgagatgaaa aatgagatga gatgatgaga tgagatgaga tgaattgaga tga	473

<210> 73
 <211> 500
 <212> DNA
 <213> Human

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 <223> n is a, c, g, or t

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 <222> (16)..(16)
 <223> n is a, c, g, or t

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 <222> (233)..(233)
 <223> n is a, c, g, or t

<400> 73 aatgagnatg aaaagnatga aatgatgaga tgaaatgaaa tgatgagatg aaatgaggtg	60
aaatgaaatt agatgaaatg taatgagatg aaatgaaatg acctaataa atgaaataat	120
gaaatgagat gaaataaaaat aatgaaatga tgaaataatg aaatgaaaat gagatggaaa	180
tgatgagatg agaagaaatg atgagatgaa atgatgaaat gatgagatga ganaaaatga	240
gatgaaatga tgagatgaga tgaaatatga tgagttgaaa tgacataatg aatgaaatga	300
tgaaatggaa taatgaaatg gaaatgatga gctgagatgc aatgagttga aatgagatga	360
aatgatgaaa tgatgagatg aaatgatgaa atgaaataat gaaatgagat gaaataaaaat	420
aatgaaatga tgaaataatg aaatgaaaat gaaatggaaa tgatgagatg agaagaaatg	480
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<210> 74
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 <213> Human

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 <222> (31)..(32)

<223> n is a, c, g, or t

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<221> misc_feature

<222> (57)..(57)

<223> n is a, c, g, or t

<400> 74

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tgaaatgatg agatgaaatg atgagatgag atgtgatgaa atgatgatat gaaatgatga 120

cataaaatga gatgaaatga gatgtaatga tggaatgaga tgagatgaaa tgagatgaaa 180

tgatagatga gataaaaatga tgatatgaaa tgatgagatg aatgatgaga tgatgagatg 240

aatgatgaaa tgaaatgatg agatgagatg atgaaatgaa atggtgagat gaaatgatg 299

<210> 75

<211> 155

<212> DNA

<213> Human

<400> 75

agtgaaatga aattgaaata aaatcgaaat gagatgagat gaaatgatga gatgatgaaa 60

taaaatgatg aaatgatgag gtgatgagat gaaatgatga gatgaaatga tgagatgaga 120

tgagatgaca tgaaataatg aaacgaaatt gaaat 155

<210> 76

<211> 367

<212> DNA

<213> Human

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<222> (11)..(11)

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<220>

<221> misc_feature

<222> (35)..(35)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (37)..(38)

<223> n is a, c, g, or t

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<222> (43)..(43)

<223> n is a, c, g, or t

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<221> misc_feature

<222> (56)..(56)

<223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

<400> 76
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 cgccatgaaa tttctgctcg attagcttac gttgtttgga tagaggccaa acaaggctgt 180
 tatcggtacg aggaatggat gttcgatttc gtagaatacg cctgagagac ggcgaatact 240
 ctcacgagag gcagcaggcg cgtaaattac ccaattacaa caagtagagg tagcgaagga 300
 aaatatgagg ggtggcaagg ttttgcctgt tacattctca aatggaagca aattagatat 360
 gtcattg 367

<210> 77
 <211> 257
 <212> DNA
 <213> Human

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 <222> (6)..(6)
 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

<400> 77
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 atagaaatca ttatttctgt gggatggata attgggccaa attgtaaaat attttaacta 120
 tcagtgtttg gggtttattt ttaaaagaat aggggtgccac cagatgttct ttagtggagg 180
 agaaatgagg ccagagtgcg tgcctagaaa attaagttgg taaattaatc acttttttct 240
 aggtcctttc ttagtct 257

<210> 78
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 <213> Human

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 tttccgttaa atagccgtta aatgttttta cccatttcat attggatacc ttaaattata 240
 ataatggatt ttattgttaa attgtgtgtg tgtgggtgtg atgccctgtc ttttctctc 300
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 gaaatgaagt gaaatgaaat tgaaatgaga tgagatgaaa tgagataaaa tgatgagatg 180
 aaatgagaag aaatgagatg aaatgatgaa atgatgagat gagatgaaaa atgatgggat 240

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gagaaatgag atgaaatgat gggatgaaat gaaatgaaat aatgaaataa tgaaatgaaa	300
tgaattgata atattgaaagt gaaattgaaa gatgagattg gatgaaatga tgagatgaaa	360
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ntagggacct gctctataag cccatcataa tttattatga agttataaca agtaaaacag	180
taaggatattt ggcattggaat agagaaccca gaaacagacc caatgcatgg gtacaggata	240
taacacaggg aaatgagggg caatatatgg ttctggggata attattttata tgggggaaaat	300
aaagaaattg gatccctacc tcacacatac aaaaaaaatc ataattgaat taaaaacttg	360

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aacttcctca gaaggacaag agacaaagaa gtgggggagg ccctcctatc catagctgag 180
agggtttatt ctttgtggtt ctgctgtcag agcctttgga tgtctgatct gagatggagc 240
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gaaaagaaaa tggttttttt tgccgaaatc aaccgggtaa 100

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<400> 86
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 atgtaacagt gtgggggtttc a 201

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 gttctattcc tttcagctc ccgtacctgc ttccagaaca tcgcaccgcc atagtcgaaa 300
 gatagcaaag attaccagc ttctattcct cgccccagag ccgagtaaat cgaagtttat 360
 agaggcgga tccaaccatt caagagttat aacaagttat cggcactcgg gggatcagaa 420

tataaactta atgtccctt tattctcccg gacgccctt ttaaccactt cttcctatct 480
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aaaaaaaaagg ttaaanccccc cccttttttt ttgggttggg gtgggaaaat tttgggaanc	240
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ccnttnnanc ntgggnnttt ttagnccctn aaaaaaangc naatnttaag gtaaaaattn	420
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atgagatgat gaaataaaaat gatgaaatga gatgtgatga gatgaaatga ngagatgaaa	180
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gaaatgaaat gatgaaatga atagatgtga catgaaatga gctgaaatga tgagatcaaa 180
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ctcaggggggt cttttgttct ctacgcctaa aaacttaatc tgtttggaac aattcctttt	180
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 ngaggaagac cc 132

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 aaaaatagat aatggtaatc caagcacgat ggtagccatc actctaattg ctttgggggtt 180
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